

**RNP welcomes you to GLIF2011
in Rio de Janeiro, Brazil
13-14 September, 2011**



- In 2011 we celebrate the 20th anniversary of the first (experimental) Brazilian connection to the Internet at the heady transmission rate of 4,8 kbps, using a DECnet connection between São Paulo and FermiLab multiplexed between Internet, Bitnet and HEPnet traffic.
- This Internet connectivity reached 3 universities (in Porto Alegre, Rio de Janeiro and São Paulo) and a research centre in Rio de Janeiro.

RNP in 2011

- national network connecting over 400 institutions,
- 20G+ of international connectivity since 2009
- Important partner of the RedCLARA regional network in Latin America
- a new version of the national backbone network (rede Ipê) was deployed by RNP in 2011, which connecting 15 of the 27 state capitals at 10 Gbps and a further 9 at 3 Gbps
- optical metro networks in all state capitals (last six in 2011)
- hybrid packet-circuit network service to over 90% of our university clients in 2011
- Experimental dynamic circuit service, to be demonstrated here
- Brazilian participation in "Future Internet" experimental activities in collaboration with those in other parts of the world.



Fonte: www.glif.is

▶ GLIF2011 venue: Rio de Janeiro

Rio has already been chosen to host the 2014 FIFA World Cup final and the 2016 summer Olympic Games.

Rio is also home to RNP headquarters, as well as the largest of the RNP optical metro networks.



**Rio de Janeiro
metro network:**
Total optical cable:
227,6 Km
Rings and
branches:
188,3 Km
Access links:
39,3 Km

▶ GLIF 2011 Venue

Museum of Modern Art (MAM), whose iconic building has long been an important centre for Brazilian cinema, has graciously consented to our use of this auditorium and other spaces for the GLIC and CineGrid events

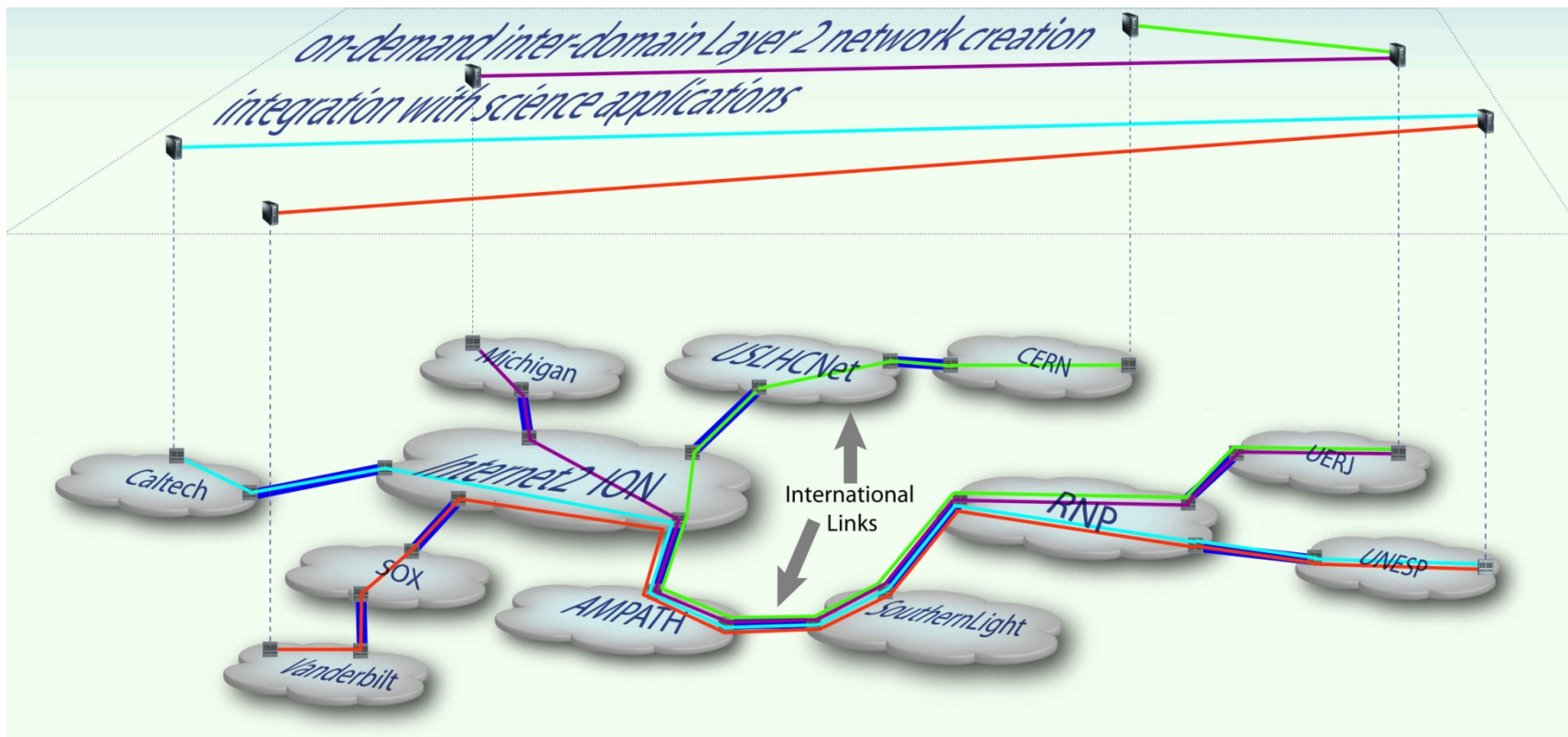


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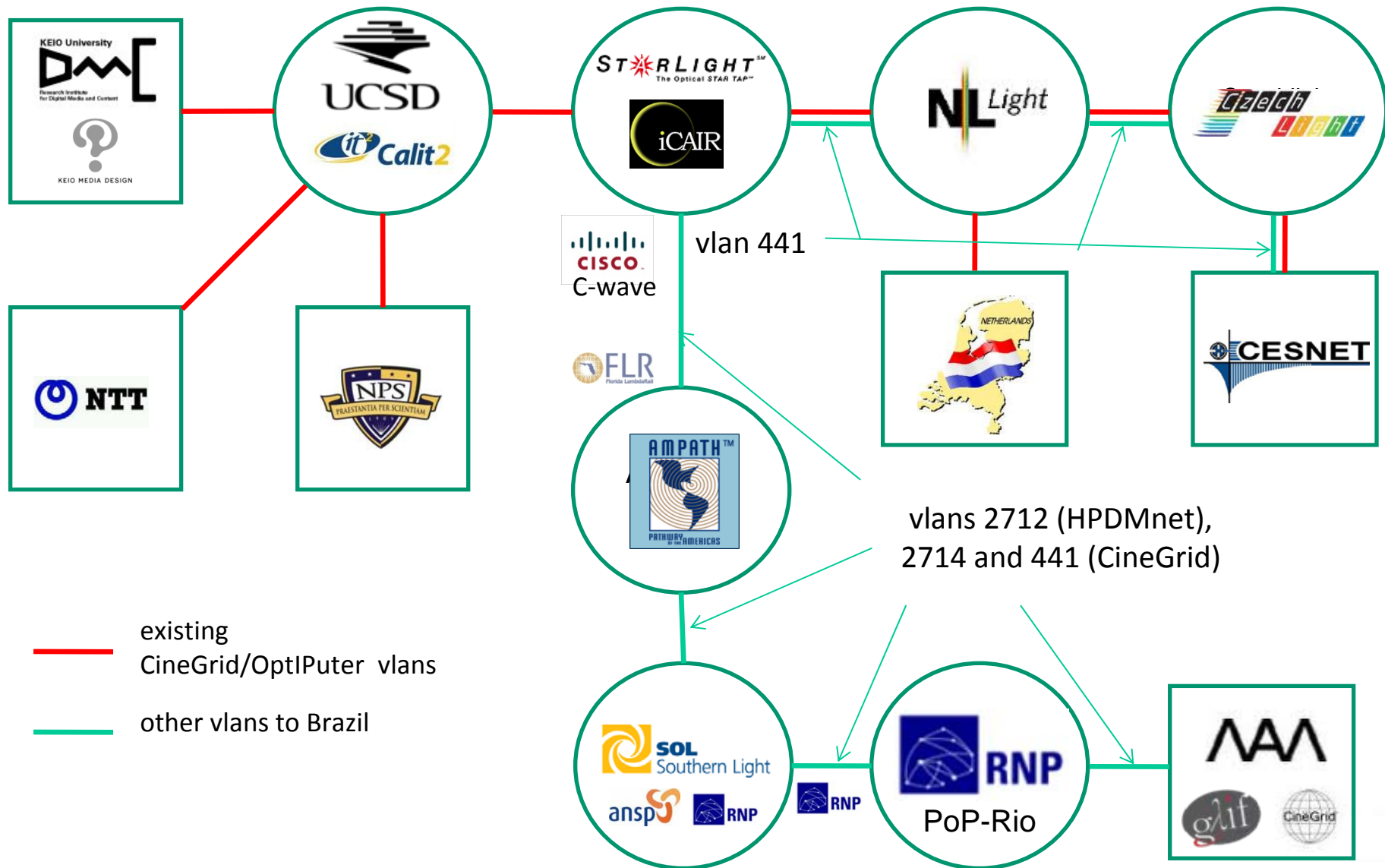
- The opportunity will be taken to present some of the Brazilian institutions which are leaders in advanced computing and network technologies and applications
- These include:
 - INPE (National Institute for Space Studies)
Haroldo Velho
 - Catholic U of Rio: Marcelo Gattass
 - CPqD (Telecom R&D Centre): Alberto Paradisi
 - Embraer (Aeronautics): Marco Cecchini

- GLIF would not be the same without the demos
- In order to make these possible, we have provided a 10G link to MAM from our PoP in Rio.
- The demonstration room and secondary auditorium were also set up specifically for GLIF2011
- The demonstration room may be visited at will, but a formal session is planned this afternoon for a guided tour

Collaboration Internet2 – AMPATH – RNP to show interoperability between I2 ION and RNP's experimental Cipó service.



GLIF2011/CineGrid: static lightpaths



▶ A big thank you to our supporters!

- Modern Art Museum, for providing the venue
- National Internet Steering Committee (CGI-br) and National Council for Scientific and Technological Development (CNPq), for financial support
- Prof Silvio Bezerra (UFRN), for the generous loan of two 4K projectors (CineGrid)
- Oi (telco) for providing the last mile link to MAM
- LG for loan of 10 flat panel screens
- All our presenters and demonstrators
- The network engineers both here and all over the world, generally coordinated by Alan Verlo and Alex Moura
- RNP staff and collaborators, coordinated by Leandro Ciuffo, who have worked long hours to make this event a success
- And to you, who have come to take part

▶ Glad you could come to Rio

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